The first case where the first case we will be seen to be seen to

ATTORNEY DOCKET NO. 3322/1H702US1

(SHEET 1 OF 3)

 ${\tt KQTINIRKTFIFMEV} \textbf{\textit{LGSGAFSEVFLVKQRLTGKLFALKCI-KKSPAFRDSSLENEIAVL} 72$ 14 CADPKL:

KQAEDIRDIYDFRDV*LG*T*G*A*F*SE*V*ILAEDKRTQKLV*A*I*K*CIAKEALEGKEGSMEN*E*IAV*L* 70 KQ +IR + F +VLG+GAFSEV L+ + T KL A+KCI K++ 디

KKIKHENIVILEDIYESTTHYYLVMQLVSGGELFDRILERGVYTEKDASLVIQQVLSAVK 132 CAMK1:

73

CADPKL:

HKIKHPNIVALDDIYESGGHLYLIMQLVSGGELFDRIVEKGFYTERDASRLIFQVLDAVK 130 KIKH NIV L+DIYES H YL+MQLVSGGELFDRI+E+G YTE+DAS +I QVL AVK 71 CAMK1: 133 YIHENGIVHRDIKPENLLYLTPEENSKIMIT*DFG*LSKMEQNG-INSTACGTPGYVAPEVL 191 CADPKL:

131 YLHDLGIVHROLKPENLLYYSLDEDSKIMISDFGLSKMEDPGSVISTACGTPGYVAPEVL 190 YLH+ GIVHRD KPENLLY + +E+SKIMI+DFGLSKME G ++STACGTPGYVAPEVL CAMK1:

192 AQKPYSKAVDCWSIGVITYILLCGYPPFYEETESKLFEKIKEGYYEFESPFWDDISESAK 251 CADPKL:

191 AQKPYSKAV**DCW**SI**G**VIAYILLCGYP**P**FYDENDAKLFEQILKAEYEFDSPYWDDISD**S**AK 250 AQKPYSKAV*D*CWSIGVI YILLCGYPPFY+E ++KLFE+I + YEF+SP+WDDIS+SAK

CAMK1:

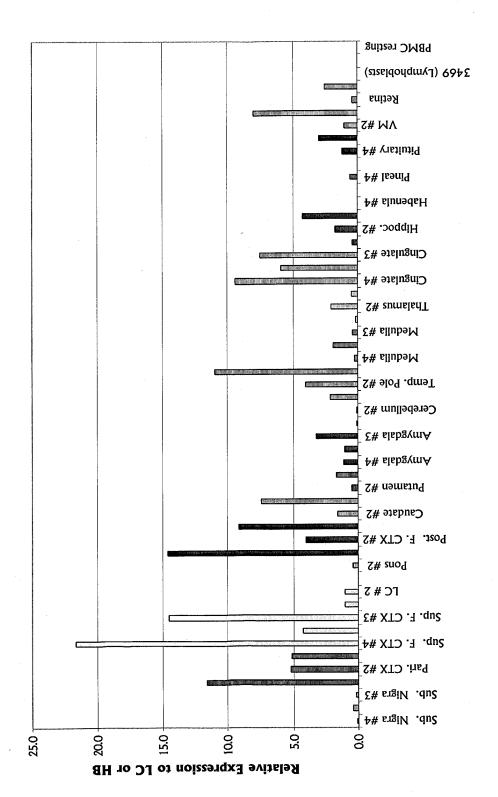
252 DFICHLLEKDPNERYTCEKALSHPWIDGNTALHRDIYPSVSLOIOKNFAKSKWROAFNAA 311 DFI HL+EKDP +R+TCE+AL HPWI G+TAL ++I+ SVS QI+KNFAKSKW+QAENA CADPKL:

251 DFIRHLMEK DPEKRFTCEQALQHPWIAGDTALDKNIHQSVSEQIKKNFAKSKWKQAFNAT 310 CAMK1:

AVVHHMRKLHMNLHSPG 328 312 CADPKL:

AVVRHMRKLQLGTSQEG 327 311 CAMK1:

Cad pki mRNA Expression in Human Brain Regions (Brain #2,3\$4)



30.645 25.48 36.045 29.1 32.79 32.125 36.285 35.54 31.235 30.385 36.58 39.38 33.82 28.59 32.905 29.96 37.74 33.575 30.905 30.21 36.285 30.31 36.28 30.38 30.38 30.38 30.38 30.38 30.39 30.30 30. 20,035 15,085 25,83 18,66 23,08 21,96 26.02 26,055 21,455 20,475 26,725 29,72 22,735 18,65 22,525 19,74 27,94 23,65 20,84 19,585 21,735 25,235 Relat. Expres. 66.949 2069.4 1.2058 173.65 8.1117 17.63 1.057 1.0317 25.02 49.351 0.6484 0.0813 10.303 174.85 11.917 82.139 0.2793 5.4642 38.319 91.456 20.606 1.8213 DRG spinal cord spleen stomach testis thymus trachea uterus pancreas placenta prostate gland muscle intest. lung liver kidney heart whole brain Adr. gland 1000 500 2500 2000 1500 18srRNA Delta ct Cad pkl Relative Expression to Pancreas

Tissue Type